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Production Figures of Foundries and Castings Shops of  
Ministry of Machine-Tool Building

	<u>1945</u>	<u>1946</u>	<u>1947</u>
Output per moldler (in tons)	73.4	61.4	73.9
Rejected material (in %)	12.1	10.8	10.1
Casting per square meter of shop workspace (in tons)	2.36	2.3	2.8
Casting output compared with 1945 (in %)	100.0	102.5	128.2
Output of serviceable casting material from metallic charge (in %)	60.5	59.7	61.5

Output in Monthly 10-Day Periods During 1947

<u>Type of Product</u>	<u>10-Day Periods</u>		
	I	II	III
Metal-cutting machines	11.9	17.7	70.4
Presses	11.2	25.7	63.1
Tools	17.4	25.5	57.1

Fulfillment of Pledges by Ministry of Machine-Tool Building  
Compared With 1940

<u>Type of Product</u>	<u>1946</u>	<u>1947</u>
Metal-cutting machines, all types	100.0	150.0
including:		
Special combination machine tools	438.8	690.0
Forging and pressing machines	193.9	262.0
Tools	148.9	178.0
Abrasive wheels	159.6	193.0

These figures show that the pledges made by the plants for fulfilling  
the Five-Year Plan in 4 years are being kept.

Production Personnel in Plants of Ministry of  
Machine Tool Construction, Compared With 1940

	<u>1946</u>	<u>1947</u>
	(in %)	
Total personnel	93.7	99.9
Workers	97.9	106.1
Engineers and technicians	103.1	109.1
Service and clerical help	73.0	70.9

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## Average Output per Worker, Compared With 1940

<u>Year</u>	<u>Percent</u>
1940	100.0
1946	108.4
1947	131.0

Plan fulfillment during 1947 for utilizing new machines and industrial products in plants of the Ministry of Machine-Tool Building was as follows:

<u>Type of Production</u>	<u>Percent</u>
Machine tools	105.0
Forging and pressing machines	106.25
Tools	210.0
Abrasive wheels	163.0
Associated products	94.0

## 1947 Plan Fulfillment by "Kraenyy Proletariy" Plant

<u>Type of Activity</u>	<u>Percent</u>
Production goods	105.4
Total production	106.8
Labor productivity	110.2
Number of machines	117.0

In this plant 93 percent of all machine tools produced were manufactured by assembly-line methods. Compared with 1946, the output of special machine tools increased 127 percent, of general machine tools 132 percent.

During 1947, 576 suggestions were made, 400 of which were utilized in production activities; 1,331,509 rubles were saved; bonuses totaling 60,000 rubles were awarded. The factory put out six new sizes of machine tools.

The plant's internal grinding department produced the following new machines in 1947:

An automatic machine, designed by A. Ye. Nemchenok, for centerless grinding of the two journals of an automobile crosspiece.

A machine, designed by M. Z. Lur'ye, for centerless grinding of heavy-duty bearings.

A machine, designed by M. P. Merpert, for centerless grinding of coiled stock.

An automatic machine for centerless grinding of radiator sleeves.

A double abrasive wheel machine, designed by N. A. Kiselev, for centerless grinding of automobile steering-apparatus cams.

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